

# ILLINOIS

# WEATHER & CROPS



## ILLINOIS OPERATIVE CROP REPORTING SERVICE

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### CROP HI-LITES

\*\*\* Corn - 72% harvested  
\*\*\* Soybeans - 89% harvested  
\*\*\* Soil Moisture - 50% short, 50% adequate

There were 5.25 DAYS SUITABLE FOR FIELDWORK for the week ending Friday, October 14. Conditions at the beginning and end of the week allowed harvest to make good progress. Work was slowed at midweek as most areas of the State received some rain. However, this fall's harvest remains ahead of average.

Seventy-two percent of the CORN crop has been harvested for grain, as of Sunday, October 16, ahead of the 47% last year and 44% for the 5-year average (1978-82).

SOYBEAN harvesting is 89% complete as of Sunday, October 16. In 1982, 83% of the soybean acreage had been harvested while the average is 79%.

Seeding of the 1984 WINTER WHEAT crop is 70% complete, compared to 67% last year and 68% for the average. Thirty-two percent of the acreage has emerged. Last year, 36% had emerged while the average is 29%. Again, last week's rain in the major wheat producing areas improved the outlook for the wheat crop.

Seventy percent of the SORGHUM acreage has been harvested for grain by Sunday, October 16. Last year, 50% had been harvested while the average is 47%.

As of Sunday, October 16, 28% of the 1984 Corn and Soybean intended acreage had been tilled (plowed or chiseled), compared to 18% for both last fall and the average.

PASTURE condition on Friday, October 14, was 1% excellent, 14% good, 47% fair, 36% poor, and 2% adequate.

SOIL MOISTURE was reported to be 50% short, and 50% adequate on Friday, October 14.

### WEATHER

PRECIPITATION: The week of October 10 to 16 brought some rain to the entire State of Illinois as a cold front moved through on Tuesday and Wednesday. Rainfall amounts generally exceeded 0.50 inches with some areas receiving one inch.

TEMPERATURES out ahead of the front generally were 8-10 degrees above normal. After the front passed, temperatures dropped to 10-15 degrees below normal throughout Illinois. By Sunday temperatures in Northern Illinois were running 4-8 degrees above normal again as another cold front was sweeping through the Midwest.

The OUTLOOK for the week of October 17 through 23 calls for scattered showers and thunderstorms in Southern Illinois on Monday. Low temperatures in Illinois will range from the 30's in the extreme North to the lower 50's in the extreme South. Highs will be in the 60's and lower 70's. The remainder of the week will bring a chance of showers on Wednesday or Thursday. High temperatures will be mostly in the 60's. Low temperatures will range from the 40's in the North to the mid-50's in the South.

### STATE WATER SURVEY DIVISION

The State Water Survey Division reports that Potential Plant Available Moisture (PPAM) increased in the moderately well-drained Flanagan soil four miles south of Bondville in Champaign County during the week ending October 14. Precipitation totaled 1.26 inches last week. In the soil layer from the surface to 4 inches the PPAM increased from 5% to 50%; at the 4 to 12-inch depth, the PPAM increased from -5% to 22%; and at the 12 to 20-inch depth, the PPAM increased from -1% to 12%. Over the total soil column from the surface to nearly 7 feet, the PPAM increased from 36% to 43%.

### ILLINOIS CROP REPORTING DISTRICT SUMMARY

Crop and Soil Characteristics	NW	NE	W	C	E	WSW	ESE	SW	SE	STATE	5-YR. AVG.
As of October 16											
Corn: % harvested	60	52	80	86	80	88	70	68	60	72	44
Soybeans: % harvested	84	85	95	98	99	92	85	78	68	89	79
Week ending October 14											
Days suitable for fieldwork:	5.0	6.0	5.0	5.0	5.0	6.0	5.0	5.0	4.5	5.25	
Soil moisture % Short:	0	35	65	55	75	90	40	20	0	50	
Adequate:	100	65	35	45	25	10	60	80	100	50	
Surplus:	0	0	0	0	0	0	0	0	0	0	

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MONTHLY AND WEEKLY TEMPERATURE DEPARTURES IN DEGREES

	July	August	August 30- Sept. 5	Sept. 6- 12	Sept. 13- 19	Sept. 20- 26	Sept. 27- Oct. 3	Oct. 4- 10	Oct. 11- 17
Chicago	+4	+5	+9	+7	-2	-6	+7	+2	0
Peoria	+5	+8	+9	+9	+2	-5	+10	+3	+1
Springfield	+4	+6	+7	+9	+2	-6	+8	+4	+1
St. Louis	+5	+7	+6	+12	+2	-6	+8	+4	-1

Station	Week ending Monday, 6 A.M., October 17						
	Temperatures			Growing degree days 1/			
	Maxi- mum	Mini- mum	Aver- age	Current	3-yr. av. 2/	Totals 1982	Totals 1983
Moline	75	30	51.6	49	3325	3305	3456
Rockford	75	31	49.9	44	3036	2996	3148
Chicago O'Hare	76	33	54.1	57	3053	2935	3135
Quincy	74	33	55.7	64	3579	3391	3574
Decatur	72	32	54.9	54	3430	3292	3396
Peoria	75	33	55.5	59	3482	3405	3567
Watseka 3/	74	30	51.9	54	3063	3075	3187
Springfield	74	32	57.3	70	3725	3602	3666
Brownstown 3/	72	32	53.0	45	3600	3489	3550
St. Louis	74	37	58.1	70	4067	3899	4029
Dixon Springs 3/	80	40	60.3	86	4034	3968	3958

- 1/ Totals are accumulated from April 1.  
2/ Average of accumulated totals for 1980, 1981 and 1982.  
3/ Two-year average--1980 not available.

Growing degree days(GDD's) are calculated by subtracting a 50° (F) base temperature from the average of the maximum and minimum temperatures for the day. The daily maximum temperature is limited to 86° (F) and daily minimum to 50° (F). Thus, if the mean temperature for the day is 75°, then 25 GDD's will have been accumulated.

Precipitation: Week ending October 17

Station	Precipitation		Accumulations		Departures	
	Current	Normal	in 1983	since	from normal	
	week	1/	Apr. 1	May 31	Apr. 1	May 31
Rockford	1.23	0.63	22.35	13.47	- 3.57	- 4.65
Chicago O'Hare	0.74	0.49	30.87	16.82	+ 8.35	+ 0.90
Watsaka	1.43	0.56	22.83	12.71	- 2.82	- 4.54
Peru	0.01	0.63	24.50	13.37	+ 0.40	- 2.93
Moline	1.12	0.63	23.31	16.51	- 2.94	- 1.64
Peoria	1.31	0.56	26.67	13.11	+ 2.75	- 3.31
Monmouth	1.42	0.70	19.63	11.33	- 5.25	- 6.35
Quincy	0.95	0.63	18.84	8.23	- 5.26	- 8.37
Springfield	0.87	0.56	15.39	7.40	- 6.34	- 7.23
Decatur	0.41	0.56	24.44	9.66	- 0.60	- 7.28
Urbana	1.69	0.56	28.68	17.60	+ 4.79	+ 1.21
Belleville	1.21	0.56	17.00	6.67	- 5.70	- 8.83
Evansville, IN	0.45	0.56	30.47	11.31	+ 7.14	- 3.62

1/ 30-year average (1951-80).

PRECIPITATION:  
First figure--Current week, Oct. 11-17  
Parentheses--Previous week  
M--Missing. T--Trace

